

LISTING OF THE CLAIMS

1. (Previously Presented) In a server, a method for dynamically updating descriptions of audio-visual content information at a client, said method comprising:

said server sending to said client a command indicating a type of update to make at a particular node of a data structure residing at said client and describing an item of content, wherein said particular node contains information describing an attribute of said item of audio-visual content and wherein said particular node is one of a plurality of nodes of said structure, wherein said plurality of nodes are associated with one another to form said structure;

said server sending to said client the location of said particular node in said description; and

said server retrieving and sending to said client any data related to said update, wherein said client executes said command and performs said update using Data Description Language (DDL).

2. (Previously Presented) The method of Claim 1 further comprising:
determining whether said update is authorized to be performed.

3. (Previously Presented) The method of Claim 1 wherein said sending said command indicating said type of update comprises:

issuing a command to add a node to said structure, wherein said client accomplishes said add by deriving an extension.

4. (Previously Presented) The method of Claim 1 wherein said sending said command indicating said type of update comprises:

issuing a command to delete a node from said structure, wherein said client accomplishes said delete by deriving by restriction.

5. (Previously Presented) The method of Claim 1 wherein said sending said command indicating said type of update comprises:

issuing a command to change said information contained by said particular node, wherein said client accomplishes said change by a combination of deriving an extension and deriving by restriction.

6. (Previously Presented) The method of Claim 1 wherein said client alters said structure.

7. (Previously Presented) The method of Claim 1 wherein said client alters a parameter at a node of said plurality of nodes.

8. (Previously Presented) The method of Claim 1 wherein said sending said command indicating said type of update comprises:

issuing a derive by restriction command.

9. (Previously Presented) The method of Claim 1 wherein said sending said command indicating said type of update comprises:

issuing a derive by extension command.

10. (Canceled).

11. (Previously Presented) In a system comprising a first computer system and a second computer system coupled to said first computer system via a communication link, said second computer system having stored thereon a description of an item of audio-visual content, a method for dynamically updating said description, said method comprising:

said first computer system sending a command to said second computer system to perform a specified update at a particular node of a data structure of said description, wherein said structure resides on said second computer system and wherein nodes of said structure comprise information describing respective attributes of said item of audio-visual content;

said first computer system sending to said second computer system a location of said particular node in said description for said update;

said first computer system retrieving and sending any data related to said update to said second computer system, wherein said second computer system executes said command and performs said update using Data Description Language (DDL).

12. (Previously Presented) The method of Claim 11 further comprising:

said first computer determining whether said update is authorized to be performed.

13. (Previously Presented) The method of Claim 11 further comprising:

said second computer system determining whether said first computer system is authorized to instruct said update.

14. (Previously Presented) The method of Claim 11 wherein said sending said command comprises:

issuing a command to add a node to said structure.

15. (Previously Presented) The method of Claim 11 wherein said sending said command comprises:

issuing a command to delete a node from said structure.

16. (Previously Presented) The method of Claim 11 wherein said sending said command comprises:

issuing a command to change information contained by said particular node.

17. (Previously Presented) The method of Claim 11 wherein said second computer system alters a schema of said description, wherein said description comprises a tree structure and said update modifies said tree structure.

18. (Previously Presented) The method of Claim 11 wherein said second computer system alters instance information, wherein said description comprises a tree structure and said update modifies a parameter at a node of said tree structure.

19. (Previously Presented) The method of Claim 11 further comprising:
selecting from among a set of data stored on said first computer system to update said description on said second computer system.

20. (Original) The method of Claim 11 wherein said first and said second computer systems form a peer-to-peer system.

21. (Previously Presented) The method of Claim 11 further comprising:
receiving a request from said second computer system for information,
wherein a pull operation is initiated.

22. (Previously Presented) The method of Claim 11 further comprising:
determining that said description stored on said second computer system
should be updated, wherein a push operation is initiated.

23. (Previously Presented) A computer readable medium residing on a
first computer system having instructions stored thereon for causing a processor
of said first computer system to instruct a processor of a second computer
system to dynamically update an audio-visual content description residing on
said second computer system, said instructions comprising:

said first computer system sending to said second computer system a
command specifying an update at a particular node of a data structure of said
description, wherein said structure resides on said second computer system and
is associated with an item of content, wherein said particular node comprises
information describing an attribute of said item of audio-visual content and
wherein said particular node is one of a plurality of nodes of said structure, and
wherein said plurality of nodes are associated with one another to form said
structure;

said first computer system retrieving and sending any data that is related
to said update to said second computer system; and

said first computer system specifying to said second computer system a location of said particular node in said description, wherein said second computer system executes said command and performs said update using Data Description Language (DDL) using said data and said location sent by said first computer system.

24. (Previously Presented) The computer-readable medium of Claim 23 wherein said command is selected from the group consisting of add, delete, and change commands.

25. (Previously Presented) The computer-readable medium of Claim 23 wherein said location comprises an address selected from the group consisting of a relative address in said description and an absolute address in said description.

26. (Canceled).

27. (Previously Presented) The computer-readable medium of Claim 23 wherein said instructions further comprise specifying a security level to determine whether said update is allowed.

28. (Previously Presented) The computer-readable medium of Claim 23 wherein said instructions are compliant with the Extensible Markup Language (XML).